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Washington, D.C. 20231

DECEMBER 15, 1999

PTAS

RITTER, VAN PELT & YI LLP
SUSAN C. YI
4906 EL CAMINO REAL
SUITE 205
LOS ALTOS, CA 94022



101158221A

2050-001 451

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/27/1999

REEL/FRAME: 010263/0580
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

THOMSON CONSUMER ELECTRONICS, INC. DOC DATE: 06/28/1999

ASSIGNEE:

OPENTV, INC.
401 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW, CALIFORNIA 94043

SERIAL NUMBER: 08233908
PATENT NUMBER: 5819034

FILING DATE: 04/28/1994
ISSUE DATE: 10/06/1998

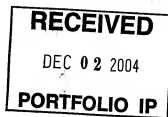
RITTER, VAN PELT & YI LLP

RITTER, VAN PELT & YI LLP

SHIRLIE SIMON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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ASSIGNMENT RECORDATION COVER SHEET -PATENTS ONLY-



To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

- Name of conveying party(ies)
a) Thomson Consumer Electronics, Inc. **mld**
9-27-99
- Name and address of receiving party(ies):
a) Name: OpenTV, Inc.
b) Address: 401 East Middlefield Road, Mountain View, CA 94043

- Nature of conveyance
☒ Assignment
☐ Security Agreement
☐ Other _____
☐ Merger
☐ Change of Name
☐ License Agreement

Execution Date: June 28, 1999

- Application Number(s) or Patent Number(s): 5,819,034

The title of the (new) application is:

APPARATUS FOR TRANSMITTING AND RECEIVING EXECUTABLE APPLICATIONS AS FOR A MULTIMEDIA SYSTEM

- Please send all correspondence concerning this (these) documents to:

Customer No. 21912
Ritter, Van Pelt & Yi LLP
4906 El Camino Real, Suite 205
Los Altos, CA 94022
(650) 903-3500 (PH)
(650) 903-3501 (FX)

- Total number of applications and patents involved: 1

- Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☒ Any deficiencies are hereby authorized to be charged to Deposit Account No. 50-0685 (Order No. OPTVP211)

- To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: September 14, 1999

Susan C. Yi
Registration No. 39,883

09/29/1999 MTHAI1 00000196 5819034

01 FC:581

40.00 DP

Attorney Docket No. OPTVP201US

(Revised 01/96)

PATENT ASSIGNMENT

Thomson multimedia S.A., a société anonyme incorporated under the laws of France, having a principal place of business at 46, Quai Alphonse le Gallo, 92648 Boulogne, France and Thomson Consumer Electronics, Inc., a Delaware corporation, having a principal place of business at 10330 N. Meridian Street, Indianapolis, Indiana 46206-1976 have assigned and transferred their entire rights to the title and interest in the following list of patents and patent applications to OpenTV, Inc., a Delaware Corporation having a place of business at 401 East Middlefield Road, Mountain View, California 94043.

SEE ATTACHMENT A

Date: 6/25/99

By: B. J. Linke

Title: Vice President Licensing & Intellectual Property
For Thomson Multimedia S.A.

Witnessed by notary:

Marie E. Linke
MARIE E. LINKE
NOTARY PUBLIC OF NEW JERSEY
My Commission Exp. July 10, 2003

Date: June 28, 1999

By: Joseph S. Tripoli

Joseph S. Tripoli
Title: Senior Vice President, Thomson multimedia Licensing Inc
For Thomson Consumer Electronics, Inc.

Witnessed by notary:

Marie E. Linke
MARIE E. LINKE
NOTARY PUBLIC OF NEW JERSEY
My Commission Exp. July 10, 2003

Date: _____

By: _____

Title: _____

Witnessed by notary:

Attachment A
List of Assigned Issued Patents and Pending Cases

Thomson Reference Number	Country	Application number	Filing date	Patent number	Issue date	Title of the invention
87492	US	08/233,908	4/28/1994	5,819,034	10/6/1998	Apparatus For Transmitting And Receiving Executable Applications As For A Multimedia System



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re United States Patent Numbers:

5,819,034

**POWER OF ATTORNEY BY ASSIGNEE
AND REVOCATION OF PREVIOUS POWERS**

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

OPENTV, INC., ("assignee"), a California corporation having a place of business at 401 East Middlefield Rd., Mountain View, CA 94043, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patents and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment document that evidences the placement of title in the assignee, a true and correct copy of which is attached hereto, and understands and believes that this assignment document has been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §§1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints Michael J. Ritter, Reg. No. 36,653; Lee Van Pelt, Reg. No. 38,352; Susan C. Yi, Reg. No. 39,883; Dan H. Lang, Reg. No. 38,531; Cindy S. Kaplan, Reg. No. 40,043; and Jung-hua Kuo, Reg. No. 41,918 all of the law firm of Ritter, Van Pelt & Yi LLP with full power of substitution and revocation, to prosecute this

application and to transact all business in the Patent and Trademark Office connected therewith.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Please send all correspondence for this application as follows:

CUSTOMER NO. 021912
Susan C. Yi
RITTER, VAN PELT & YI LLP
4906 El Camino Real
Suite 205
Los Altos, CA 94022

Please direct any calls to the same at (650) 903-3500.

Assignee of Interest:

Company Name: OPENTV, Inc.
401 East Middlefield Rd.
Mountain View, CA 94043

Date 14 Oct 99

Name: Jan Steenkamp
Title: CEO



025
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATA BASE

DATE: 06/01/94
TO:

EP4/ N07A

JOSEPH S. TRIPOLI
PATENT OPERATIONS-GE AND RECA
LICENSING MANAGEMENT OPERATIONS, INC.
CN 5312
PRINCETON, NEW JERSEY 08543-0028

87492
042894, 0632

UNITED STATES PATENT AND TRADEMARK OFFICE
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ASSIGNOR:

JOSEPH, KURIACOSE

DOC DATE: 04/20/94

ASSIGNOR:

JESSUP, ANSSLEY WAYNE JR.

DOC DATE: 04/20/94

ASSIGNOR:

DUREAU, VINCENT

DOC DATE: 04/18/94

ASSIGNOR:

DELPUCH, ALAIN

DOC DATE: 04/18/94

RECORDATION DATE: 04/28/94 NUMBER OF PAGES 004 REEL/FRAME 6978/0789

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

THOMSON CONSUMER ELECTRONICS, INC.
10330 NORTH MERIDIAN STREET
INDIANAPOLIS, INDIANA 46290

SERIAL NUMBER 8-233908
PATENT NUMBER

FILING DATE 04/28/94
ISSUE DATE 00/00/00

P. Foster

EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

RCA 87,492

08. 223908

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 4 joint inventors
(if plural inventors are named below) of the inventions relating to A DISTRIBUTED COMPUTER SYSTEM

Described in an application for Letters Patent of the United States of America filed on _____ under Serial No. _____
or, if not identified here by filing date and serial number, executed by me on even date with my execution of this

Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to THOMSON CONSUMER ELECTRONICS, INC., a corporation duly organized and existing under the laws of the State of Delaware, United States of America, its successors, and assigns my entire right, title and interest, and all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, releases and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may hereinafter be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may hereinafter be substituted for it.

I covenant with THOMSON CONSUMER ELECTRONICS, INC. its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrances, and that I have full right to convey the same as herein expressed.

Signed at	<u>Princeton, New Jersey</u>	Date	<u>April 20, 1994</u>
Inventor (1)	<u>Kuriacose (NMN) Joseph</u> (Type or Print)		<u>Kuriacose Joseph</u> (Signature in Full. No Initials.)
Post Office Address	<u>818 Ravens Crest Drive, Plainsboro, New Jersey 08543</u>		
1st Witness	<u>PATRICIA A. HOELER</u> (Type or Print)		<u>Patricia A. Hoeler</u> (Signature in Full. No Initials.)
2nd Witness	_____		_____
	(Type or Print)		(Signature in Full. No Initials.)
Signed at	<u>Princeton, New Jersey</u>	Date	<u>April 20, 1994</u>
Inventor (2)	<u>Ansley Wayne Jessup Jr.</u> (Type or Print)		<u>Ansley Wayne Jessup Jr.</u> (Signature in Full. No Initials.)
Post Office Address	<u>22 Elmwood Lane, Willingboro, New Jersey 08046</u>		
1st Witness	<u>PATRICIA A. HOELER</u> (Type or Print)		<u>Patricia A. Hoeler</u> (Signature in Full. No Initials.)
2nd Witness	<u>LISA M. BOUCHELLE</u> (Type or Print)		<u>Lisa M. Bouchelle</u> (Signature in Full. No Initials.)
Signed at	<u>Culver City, California</u>	Date	_____
Inventor (3)	<u>Vincent Dureau</u> (Type or Print)		_____
Post Office Address	<u>219 Sherman Canal, Venice, California 90291</u>		
1st Witness	_____		_____
	(Type or Print)		(Signature in Full. No Initials.)
2nd Witness	_____		_____
	(Type or Print)		(Signature in Full. No Initials.)

REEL 978 FRAME 790

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (if only one inventor is named below) or one of 4 joint inventors
(if plural inventors are named below) of the inventions relating to A DISTRIBUTED COMPUTER SYSTEM

described in an application for Letters Patent of the United States of America filed on _____ under Serial No. _____
or, if not identified here by filing date and serial number, executed by me on even date with my execution of this
Assignment/Agreement.

For valuable consideration received, I hereby sell, assign and transfer to THOMSON CONSUMER ELECTRONICS, INC., a corporation duly organized and existing under the laws of the State of Delaware, United States of America, its successors, and assigns my entire right, title and interest, for all countries in an to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

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2nd Witness	(Type or Print)	(Signature in Full. No initials.)	_____
Signed at	<u>Culver City, California</u>	Date	<u>04/18/94</u>
Inventor (3)	<u>Vincent Dureau</u> (Type or Print)	(Signature in Full. No initials.)	<u>[Signature]</u>
Post Office Address	<u>219 Sherman Canal, Venice, California 90291</u>		
1st Witness	<u>PIERRE WILLARD</u> (Type or Print)	(Signature in Full. No initials.)	<u>[Signature]</u>
2nd Witness	<u>REGIS SAINT CIRENS</u> (Type or Print)	(Signature in Full. No initials.)	<u>[Signature]</u>

After this Assignment has been recorded please RETURN to: Patent Operations

GE and RCA
Licensing Management Operation, Inc.
CN 5312
Princeton, NJ 08543-002

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

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Signed at	<u>Culver City, California</u>	Date	<u>Alan Delpuch</u>
Inventor (4)	<u>Alan Delpuch</u> (Type or Print)		<u>04/18/94</u> (Signature in Full. No Initials.)
Post Office Address	<u>2221 Parnell Avenue, Los Angeles, California 90064</u>		
1st Witness	<u>PIERRE WILLARD</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No Initials.)
2nd Witness	<u>REGIS SAINT GIRON</u> (Type or Print)		<u>[Signature]</u> (Signature in Full. No Initials.)
Signed at		Date	
Inventor (2)			
Post Office Address			
1st Witness			
2nd Witness			
Signed at		Date	
Inventor (3)			
Post Office Address			
1st Witness			
2nd Witness			

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Licensing Management Operation, Inc.

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